

Contribution of the Excited Singlet State to the  
Electrical Conductivity of a Number of Organic Semi-  
conductors, by A. T. Vartanyan, L. D. Rozenstein, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXXI, No 1,  
1960, pp 279-282.

AIP

Sov Phys - Doklady

Vol V, No 2

Sci

Nov 60

*NLL M-2643*  
*ATS-77M40R, 32, 759*  
*ATS/RJ-2603*

Photodisintegration of  $N^{14}$ , by Ya. Krahnenek, I. P.  
Yavor, 2 pp

RUSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 283-285.

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132, 760

Parity Correlations in Light Nuclei, by V. G.  
Solov'yev, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2  
1960, pp 286-289.

AIP

Sov Phys & Doklady

Vol V, No 2

Sci

Rev CO

132, 761

Some Effects Observed During an Investigation of  
the Luminescence of ZnS Electrets, by V. M.  
Fridkin, 3 pp

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXXXI, No 2  
1960, pp 290-292.

AIP

Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132, 762

(DC-66/118).

The Hydrodynamic Prognosis of the Mean Monthly  
Temperature Anomalies for the Northern Hemisphere  
of the Earth Using IGY Data, by Ye. N. Blinova,  
6 pp.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 293-296.

NLL M. 2713  
IGC 118  
AGI

Sci - Geophys  
May 60

117,400

(DC-66/116).

Some Data on the Polarization of Atmospheric  
Light, by Ye. V. Pyaskovskaya-Fesenkova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 297-299.

IGW 118

~~A-61~~

Sci - Geophys  
May 60

117, 411

(DC-4322)

X-Ray Diffraction Analysis of Linear  
Compressibility of Graphite at Pressure up to  
16,000 kg/cm<sup>2</sup>, by S. S. Kabalkina, L. F.  
Vereshchagin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
11 Mar 1960, pp 300-302.

NLL 11.2.60  
JFAS 6104

Sci - Phys

Oct 60

11.2.60  
Sci - Phys  
129,513

Energy Relations in the Martensite Transformation, by B.  
Ya. Lyubov, A. L. Roitburd, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2, 1960,  
pp 303-305

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132,740



Anomalous Growth of the Grains of Metals in Vacuum, *by*  
L. S. Moroz, Yu. D. Khesin, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2, 1960  
pp 306-307

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132, 741

Dilung, I. I. and Butsko, S. S.  
MOLECULAR COMPOUNDS OF CHLOROPHYLL WITH  
CERTAIN SALTS. [1960] [5]p. 8 refs.  
Order from LC or SLA mi\$1.80, ph\$1.80 61-10344  
Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,  
v. 131 [no. 2] p. 312-315.

146,944

(Biological Sciences--Biochemistry, TT, v. 5, no. 5)

61-10344

I. Chlorophyll--Chemical  
reactions

I. Dilung, I. I.  
II. Butsko, S. S.

Office of Technical Services

On the Problem of Mechanism of the Reaction  
of Addition of Silicon Hydrides to Unsaturated  
Compounds in the Presence of Platinised Carbon  
and Chloroplatinic Acid, by V. A. ~~POLOVIN~~  
Ponomarenko, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,  
No 2, 1960, pp 321-324.

ATS-RJ-2386  
~~SEE~~ CSIRO

Sci - Chem  
Oct 61

171,378

62-27265

Topchiev, A. V. and others.

DIE ALKYLIERUNG VON 4-FLUORPHENOL MIT  
PROPYLEN UND CYCLOHEXEN IN GEGENWART DER  
KATALYSATOREN  $\text{BF}_3 \cdot \text{H}_3\text{PO}_4$  und  $\text{BF}_3 \cdot \text{O}(\text{C}_2\text{H}_5)_2$   
(Alkylation of 4-fluorophenol by Propylene and Cyclo-  
hexene in the Presence of  $\text{BF}_3 \cdot \text{H}_3\text{PO}_4$  and  $\text{BF}_3 \cdot \text{O}(\text{C}_2\text{H}_5)_2$ )  
Order from TIB \$1.30

Trans. in German of Akademiya Nauk SSSR (Doklady),  
1960, v. 131, no. 2, p. 329-331.

DESCRIPTORS: \*Alkyl radicals, \*Fluorides,  
\*Catalysts, Phenols, Boron compounds, Propenes,  
Cyclohexenes, Phosphorus compounds.

(Chemistry--Physical, TT, v. 9, no. 11)

I. Topchiev, A. V.

II. Technische Informations-  
bibliothek, Hannover  
(West Germany)

Office of Technical Services

The Effects of Complexing with  $TiCl_4$ ,  $SnCl_4$ ,  $AlCl_3$ ,  
and  $AlBr_3$  on the Infrared Spectra of Certain Esters,  
by D. S. Bystrov, V. N. Filimonov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 338-341.

CB

149,754

Sci

Apr 61

Hyperfine Structure in Electron Paramagnetic  
Resonance Spectra of Benzophenone-K-Ketyl,  
by V. M. Kazakova, Ya. K. Syrkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,  
No 2, 1960, pp 346, 347.

DTS 60-21929

Sci

Apr 61

146,195

Some Peculiarities of Emulsification in Structurize  
Liquids, by L. Ya. Kremnev, L. A. Borodina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 348-350.

CB

149,755

Sci

Apr 61

A Mechanism for the Decomposition of ~~X~~Hydroperoxide  
Intermediates in the Oxidation of Liquid n-Decane,  
by Z. K. Mayzus, V. N. Yakovleva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 351-353.

CB

Sci

Apr 61

149,756



A Tracer Study of the Activation Mechanism of  
Chlorides, by V. P. Maksimchuk, I. L. Rosenfel'd, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 354-356.

CB

Sci

Apr 61

149,749

The Role of Chemical Reactions in Thermionic  
Emission, by G. M. Panchenkov, A. M. Kolchin,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 357-359.

CB

149,750

Sci

Apr 61

The Effects of External Radiation on the Isotopic  
Exchange of Sulfur in the  $K_2SO_4-SO_2$  System at  
High Temperature, by V. I. Spitsyn, I. E.  
Mikhaylenko, I. V. Vereshchinskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,  
No 2, 1960, pp 360-363.

CB

149,751

Sci

Apr 61

Study of the Burning Rate of Some Potential Solid  
Fuels for Rockets and Missiles, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 364-366. 7072537

AID SIR-3419

Sci - Nuc Phys  
Aug 60

122,598

TTL/T330

CEA-tr-R-1313 Uncl.

ETUDE DE L'ACTION DU RAYONNEMENT EXTERNE SUR LE  
TAUX D'ÉCHANGE ISOTOPIQUE DE SULFURE DANS LE  
SYSTÈME  $K_2SO_4 - SO_3$  À HAUTES TEMPERATURES.

(Study of the Action of External Radiation on  
the Isotopic Exchange Rate of Sulfur in the  
 $K_2SO_4 - SO_3$  System at High Temperatures).

V. I. Spitsyn (Spitzine), I. E. Mikhailenko,  
I. V. Vereshchinskii, and P. Ya. Glazunov.

Translated into French from Doklady Akad. Nauk  
S.S.S.R., 131: 360-3(1960). 10p. *9092306*

Chemistry; Translations MC-4

C-4 NP NSA Dep.(mc); \$1.10(fs), \$0.80(mf)

N-7 JCL or LC

Separation of Minerals in an Ion Current Produced  
by  $\alpha$  -Radiation, by I. N. Plaksin, P. L. Starchik,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 1,  
1960, pp 371, 372.

AIP  
Sov Phys-Doklady  
Vol V, No 2

Sci  
Nov 60

The Paleontological Characteristics of the Upper  
Cretaceous in Southeast Caucasus, by R. A. Aliyev,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 378-379.

AGI

Sci

Jun 61

The Origin of the Stepped Surface of Detrital Garnet  
~~Grains~~ Grains from the Cretaceous Deposits of Northern  
Yakutiya, by A. S. Zaporozhtseva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 380-383.

AGI

Sci

Jun 61

157,942



New Data on the Boundary Between the Tortonian  
and Sarmatian Within the Limits of the Southwestern  
Margins of the Russian Platform, by L. N. Kudrin,  
3 pp.

RUSSIAN, per, ~~Dokl. Ak. Nauk SSSR~~, Vol. CXXI, No 2,  
1960, pp 384-387.

AGI

Sci

Jun 61

157,944

Certain Features in the Tectonic Development of the  
Russian Platform in the Early ~~SSSR~~ Stages of its  
Mantle Formation, by A. S. Novikova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 388-390.

AGI

Sci

157,943

Jun 61

New Data on the Coal Bearing Strata of the Ilinsk  
Formation of the Kuzbas in Connection with the  
Characteristics of Its Facies Composition, by  
E. M. Senderzon, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 391-394.

AGI

Sci

157,945

Jun 61

Cinnabar, Gold, Chalcopyrite, and Zircon in Limestones of the Russian Platform, by V. D. Timofeyev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2, 1960, pp 395-397.

AGI

Sci

Jun 61

157,946

Rhythms and Cycles of Sedimentation in the Section  
of the Salt Series of the Starobinsk Potash Deposit,  
by V. N. Shcherbina, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 398-401.

AGI

Sci

Jun 61

157,948

Hydrosodalite -- A Rock-Forming Mineral of the  
Nepheline Syenites of the Lovozero Massif, by  
V. I. Gerasimovsky, A. I. Polyakov, L. P.  
Voronina, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXI, No 2,  
1960, pp 402-405.

AGI

Sci

Jun 61

157, 879

The Basaltic Flows of Champ and Wiener-Neustadt  
Islands (Franz Josef Land Archipelago, by A. Ye.  
Komarova, L. P. Pirozhnikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 409-411.

AGI

Sci

Jun 61

157,997

Investigation of the Organic Matter of Sediments of  
the Atlantic Ocean by the Luminescence Method, by  
N. M. Vikhrenko, 3 pp.

RUSSIAN, per, <sup>it</sup> Dokl Ak Nauk SSSR, Vol CXXI, No 2,  
1960, pp 412-415.

AGI

Sci

157,926

Jun 61



Tungsten in the Bottom Deposits of the Sea of Okhotsk,  
by A. B. Isayeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 416-419.

AGI

Sci

Jun 61

157,928

A New Subgenus of Brachiopoda, *Atrypa* (*Desquamatia*)  
Subgen, ~~by~~ N. Family Atrypidae Gill, by R. E.  
Aleksyeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 421-424.

AGI

Sci

Jun 61

157,884

The Uptake of  $S^{35}$  Methylene,  $S^{35}$  Sodium Sulfate,  
and  $S^{35}$  Methionine by Albuminous and Mucous  
Glands, by G. N. Voronin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, ~~pp 425-428~~ pp 425-428.

AIBS

Sci

Feb 61

139,564

In Vivo Observations of Synaptic Changes,  
by V. N. Maiorov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXI, No 2,  
1960, pp 429-.

AIBS

Sci

Feb 61

139566

Rapidly Growing Form of *Populus balsamifera*  
L. Obtained from Pollination of Female P.  
*balsamifera* L. Flowers by Fractionated Pollen  
of the Same Species, A. M. Manzhos, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 433-435.

AIBS

Sci

139,559

Feb 61

Inherited Cytoplasmic Changes Induced in Yeast  
by Acriflavine and Berberine, by M. N. Meisel',  
T. S. Sokolova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 436-.

AIRS

Sci

139,558

Feb 61

Excess Ovulation After X-Ray Irradiation of Rats,  
by E. A. Pozhidayev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI<sup>X</sup>, No 3,  
1960, pp 437, 438.

AIP  
Sov Phys-Doklady  
Vol V, No 2

Sci  
Nov 60

Appearance of Acetylcholine in Blood Due to Action  
of Ionizing Radiation, by K. V. Smirnov, V. A.  
Shaternikov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4,  
1960, pp 439, 440.

AIP  
Sov Phys-Doklady  
Vol V, No 2,

Sci  
Nov 60

AIBS



Metastable States of Protein and Nucleic Acids  
Due to Radiation Action, by I. I. Sapezhinskiy,  
N. M. Emanuel, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 441, 442.

AIP  
Sov Phys-Doklady  
Vol V, No 2,

Sci  
Nov 60

Propylgallate Inhibition of Multiplication of  
the Oak-Silk Moth Polyhedral Body Virus, by  
S. Gerashenzon, T. G. Brezgunova, B. P. Charnetskiy,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,  
No 2, 1960, pp 442-444.

AIRB

Sci

Feb 61

138,440

Dynamics of Phenols in the Tissues of Cabbage  
Infested with Botrytis Cinerea, by B. A. Rubin,  
T. M. Ivanova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,  
No 2, 1960, pp 445-.

AIRS

Sci

Feb 61

138,442

On the Dynamics of Energy Expenditure by Leaves of  
Higher Plants, by V. P. Dadykin, Yu. A. Invydova,  
E. A. Akulova, 3 pp.

RUSSIAN, per, Dok Ak. Nauk SSSR, Vol CXXXI, No 2, 1960,  
pp 449-452.

Amer Inst of Biol Sci

Sci -  
Jan 61

135, 318

Chromosome Aberrations and Disturbances of Mitotic  
Activity as Factors Limiting Tissue Reparation  
After Irradiation, by I. M. Shapiro, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 6,  
1960, pp 450, 451.

AIP  
Sov Phys-Doklady  
Vol V, No 2

Sci  
Nov 60

On the Dynamics of Energy Expenditure by Leaves of  
Higher Plants, by V. P. Dadykin, Yu. A. Davydova,  
E. A. Akulova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2, 1960,  
pp 449-452.

Amer Inst of Biol Sci

Sci -  
Jan 61

Endemic Baikal Leeches of the Family Glossiphoniidae,  
by E. I. Lukin, V. M. Epshtein, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 457p.

AIBS

Sci  
Feb 61

139,575

Cyto-Histological Characteristics of Reparative  
Process in Castrates of Various Ages Subsequent  
to the Administration of Cortisone and ACTH, by  
A. I. Bukhonova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2,  
1960, pp 461 -.

AIES

Sci

139,553

Feb 61



The Spectrum of an ideal Fermi Gas in a Lattice by M. B.  
Elmanov, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3, 1960  
pp 529-531.

AIP

Sov Phys - Doklady

Vol V, No 2

Sci  
Nov 60

132, 763

A Measure of the Delocalization of an Electron in an  
Atomic or Molecular System, by D. A. Bochvar, N. P.  
Gambaryan, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3, 1960,  
pp 532-534.

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132,764

An Investigation on the Temperature Dependence of  
the Fine Structure of the Fundamental Region of the  
X-Ray Absorption Spectra of Titanium in Barium Ti-  
anates Near the Curie Point of  $\text{BaTiO}_3$ , by M. N. Brill',  
pp

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Vol CXXXI, No 3, 1960,  
535-537.

AIP  
Sov Phys - Doklady  
Vol V, No 2

ci  
bv 60

132, 765

The Effect of the Solvent and the Specific Nature  
of the Addition of Nucleotides on the Reduplication  
of DNA, by M. V. Vol'kenshtein, A. L. M. El'yashovich,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3, 1960,  
pp 538-541

AIP

Sov Phys - Doklady

Vol V, No 2

Sci  
Nov 60

132, 266

Interpolation Equations of State of Metals for the  
Region of Ultrahigh Pressures, by S. B. Kormer, V. D.  
Ustin, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3, 1960  
pp 542-545.

AIP

Sov Phys - Doklady

Vol V, No 2

Sci

Nov 60

132, 767

An Approximate Method for the Calculation of the Magnetization of an Isotropic Antiferromagnetic material  
by P'u Fu-ch'ao, 3 pp

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Vol CXXXI, No 3, 1960,  
pp 546-548.

ATP

Sov Phys - Doklady

Vol V, No 2

Sci

Nov 60

132, 768

Liquid Water Content of Shower Clouds and Some  
Problems of Shower Precipitation Forecasts, by  
N. Sh. Bibilashvili, et al.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 549-551.

IGC 122

AGI

Sci - Geophys, Space Res  
May 60

116,499

Conditions of Thermoelastic Equilibrium and the Effect  
of External Loads on the Orientation of Crystals  
During the Martensite Transformation, by B. Ya.  
Lyubov, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 552-~~53~~ 555.

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132, 742



Reaction of Alkylcyclosiloxanes With Titanium  
Tetrachloride, by K. A. Andryanov, A. I. Petrashko,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 561-562.

ATS-8442R

ATS/RT-2562

Sci

Mar 62

Vol IV, No 6

190,045

Thermodynamic Data on Metal Fuels at Very  
High Temperatures: Enthalpy and Specific Heat  
of a Combustion Product -- Beryllium Oxide,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3, 1960, pp 566, 567.

AID SIR-3829

Sci - Fuels  
Aug 60

AEC  $\pi$ -4310 122,599.

Topchiev, A. V., Kurashev, M. V. and others.  
FLUESSIGPHASEN-ALKYLIERUNG VON BENZOL MIT  
PROPYLEN UEBER EINEM ALUMINUMSILIKAT-  
KONTAKT BEI NIEDRIGEN TEMPERATUREN (+20,  
+50, +80°) (Liquid-phase Alkylation of benzene by Pro-  
pylene on Aluminum Silicate at +20°C, +50°C and  
+80°C). 2p.  
Order from TIB \$0.85

Trans. in German of Akzemiya Nauk SSSR. Doklady,  
1960, v. 131, no. 3, p. 587.

DESCRIPTORS: Liquids, Phase studies, \*Alkyl radi-  
cals, \*Benzenes, \*Propenes, Aluminum compounds,  
\*Silicates

(Chemistry--Physical, TT, v. 9, no. 11)

62-27272

- I. Topchiev, A. V.
- II. Kurashev, M. V.
- III. Technische Informations-  
bibliothek, Hannover  
(West Germany)

Office of Technical Services

The Mechanism of Predetonation Propagation of  
Flame in Rough Tubes, by V. S. Babkin, L. S.  
Kozachenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3  
1960, pp 591-592.

CB

149,752

Sci

Apr 61

Certain Features<sup>7</sup> of the Kinetics of the Radiolysis  
of n-Heptane Over a Wide Range of Doses, by V. G.  
Berezkin, I. M. Kustanovich, L. S. Polak, 6 pp.

RUSSTAN, ~~1/2~~ per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 593-596.

CB

149,968

Sci

Apr 61

Surface Properties of Highly Dispersed Quartz, by  
I. G. Genichenko, M. M. Egorov, V. P. Kiselev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ~~XXX~~ XXXI,  
No 3, 1960, pp 597-600.

ATS-RJ-2716

CB  
ATS-81M/6K

SLA - 61-12246

149,969

Sci

Apr 61

The Kinetic Equation for Irreversible Reactions  
in Oscillographic Polarography, by A. Ya.  
Gokhshtein, Ya. P. Gokhshtein, § 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 3,  
1960, pp 601-604.

CB

149,970

Sci

Apr 61

An Infrared Investigation of the Hydrogen Exchange  
Between Acetone and DBr Vapors, by B. A. Kuznetsov,  
6 pp.

IN RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 605-608.

CB

Sci

149, 971

Apr 61



The Use of Very Fast Electrons for the Microdiffraction Study of the Structure of Soot Particles, H by  
N. M. Popov, V. I. Kasatohkin, V. M. Luk'yanovich,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 609-611.

CB

148,964

Sci

Apr 61

Absorption Gas Radiography and Its Application  
to the Study of Promoted Catalysts for Ammonia  
Synthesis, by Z. S. Roginskiy, Yu. E. Sinyak, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXXVI, No 3,  
1960, pp X 612-615.

CB

148915

Sci

Apr 61

On the Wind and Temperature Regime in the Lower  
Stratosphere Over the Antarctic, by P. D. Astapenko,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 616-619.

IGC 122

Sci - Geophys, Space Res  
May 60

116,492

The Composition of Cretaceous Deposits of the Lena  
Coal Basin and the Characteristics of Their Accumula-  
tion, by A. I. Gusev, A. S. Zaporozhtseva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 624-627.

AGI

Sci

157,947

Jun 61

On the Presence of Interglacial Conditions in the  
Yenisey Region of Siberia during Samburgian Time,  
by V. A. Zubakov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 3,  
1960, pp 628-631.

AGI

Sci

Jun 61

157,949

New Data on the Lower Paleozoic Deposits of East  
Transbaikial, by V. N. Kozarenko, A. A. Lokerman,  
S. N. Naumova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 632-637.

5

AGI

Sci

Jun 61

157,950

Distribution of the Thickness of Coal ~~and~~ Seams in  
a Coal-Bearing Series, by M. I. Ritenberg, <sup>th</sup> pp.

RUSSIAN, per, ~~Dok-Ak-Hauk SSSR~~, Vol CXXXI, No 3,  
1960, pp 636-639.

AGI

Sci

Jun 61

157, 952

The Problem of the Distribution and Stratigraphic  
Importance of Lower Cretaceous Belemnites in North  
Siberia, by V. M. Saks, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 640-642.

AGI

Sci

157, 951

Jun 61



An Occurrence of Milarite on the Kola Peninsula,  
by T. A. Sozedko, 4 ~~MI~~ pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 643-646.

AGI

Sci

Jun 61

157,881

Mineral Composition of the "Tobacco Ores" of the  
Karch Deposit, by G. G. Nevoysa, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 3,  
1960, pp 647-650.

AGI

Sci

Jun 61

155,408

Intracomplexes of Copper With Humic Acids, by  
T. V. Drozdova, M. P. Yemelyanova, 4 pp.

RUSSIAN per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 651-654.

AGI

Sci

Jun 61

157,927

Molybdenum in the Deposits of the Okhotsk Sea,  
by A. B. Isayeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVXI, No 3,  
1960, pp 655-658.

AGI

Sci

Jun 61

157, 929

The Geochemistry of Fe, Mn, P, and "Minor" Elements  
in Shale-Bearing Deposits of the Lower Volga Stage of the  
the Central Volga Region, by Ye. S. Tikhomirova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 659-662.

AGI

Sci

Jun 61

157,930

New Data on Archaeocyatha of the Shorian Highland,  
by A. Yu. Rozanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 663-666.

AGI

Sci

Jun 61

157,883

Suppression of Mitosis in a Culture of Human  
Cancer Cells by Inhibitors of Free Radical  
Reactions, by L. P. Lipchina, O. K. Shiyataya,  
G. G. Afanas'ev, 3 pp/

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 667-.

AIRS

Sci

138547

Feb 61

Excess Ovulation After X-Ray Irradiation of Rats,  
by E. A. Pozhidayev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 670-.

AIBS

Sci  
Jan 61



Valine Biosynthesis and Ammonia Assimilation in  
Wheat Sprouts, by V. L. Kretovich, Z. S. Kagan,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 673-675.

ATBS

Sci

Feb 61.

138,443

Isolation of Influenza Antibodies by Fixation of  
Influenza Virus on Cellulose, by R. S. Nezlin,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 3, 1960, pp 676-679.

ATBS

Sci

Feb 61

138,445

Fractionation of Cytoplasmic Ribonucleic Acid  
by Phenol Treatment, by G. P. Ramenskaya, G. P.  
Georgiev, L. S. Mil'man, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,  
No 3, 1960, pp 680-683.

AIBS

Sci

Feb 61

138, 444

Effect of  $\text{Co}^{60}$  Gamma-Radiation on Sucrose  
Solutions, by M. A. Khenokh, E. A. Kuzichova,  
V. F. Evdokimov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXXI,  
No 3, 1960, pp 684-.

ATIS

Sci

Feb 61

138, 446

The Effect of Temperature Conditions on the  
Course of Embryological Processes in Plants, by  
E. N. Gerasimova-Navashina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 688-.

Amer Inst of Biol Sci

Sci -  
Jan 61

135,317

On Microsporogenesis in Barley as Affected by  
Soil Moisture Deficiency and by Application of  
Nitrogen at Various Stages of Development, by  
I. G. Zavadskaya, F. D. Smazkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol CXXXI, No 3,  
1960, pp692-.

Amer Inst of Biol Sci

135,320

Sci -  
Jan 61

A Biochemical Method of Determining Degree of  
Parasitism in Species of Stemphylium, by M. V.  
Gorlenko, G. D. Uspenskaya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 695-.

Amer Inst of Biol Sci

Sci  
Jan 61

Changes in Cardiac Activity under Slow Frequency  
Electrical Stimulation of the Heart, by E. B.  
Rebelskiy, L. S. Ul'yasinskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 697-700.

5  
AIBX

Sci

Feb 61

139,569



Effect of Methylthiouracil on Alimentary  
Hypercholesteremia in Rabbits, by T. N. Lovyugina,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 701-704.

AIBS

Sci

139,571

Feb 61

Uptake of  $S^{35}$  by Animal Organs After Administration  
of Methionine and Vitamin  $B_1$  as Shown by  
Contact Radiography, by N. D. Perumova, Z. P.  
Zhenkova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXOXI,  
No 3, 1960, pp 705-.

AIBS

Sci  
Feb 61

139,572

On the Trophic Function of the Intestinal  
Epithelium of Trematodes, by E. D. Logachev,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,  
1960, pp 709-.

AIBS

Sci

139,567

Feb 61

S-396/60

(NY-4361)

Convergent Wave in a Plastic Medium, by E. I.  
Andriankin, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4,  
1960, pp 769-772.

JPRS 5519

Sci - Phys

Sep 60

125,677

The Calculation of Oblique Shock Waves in Magnetogasdynamics, by M. I. Kiselev, N. I. Kolosnitsyn, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960, pp 773-775.

AIP  
Sov Phys-Doklady  
Vol V, No 2

Sci  
1960, Nov

132, 753

th a

Hypersonic Flow About a Thin Body at Large Angle  
of Attack, by V. V. Sychev, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4  
1960, pp 776-779.

AIP  
Sov Phys-Doklady  
Vol V, No 2

Sci  
1960, Nov

, 32, 754

The Influence of Heavy Halogens on the Probability  
of Transition to a Metastable State and the Probabilities  
of Disactivation of This State, by V. A.  
Borgman, I. A. Zhmireva, V. V. Zelinskiy, V. P.  
Kolobkov, 4 pp

RUSSIAK, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960  
pp 761-784.

AIP  
Sov Phys - Doklady  
Vol 1, No 2

Sci  
Nov 60

132, 769

Possible Anomalies of the Magnetic Properties of  
Macromolecules, by V. L. Ginzburg, V. N. Fain, 5 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960  
pp 755-758.

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132, 770



Radial Distribution of Atoms in a Liquid, by A. M. Evsayev  
4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960,  
pp 789-792.

AIP  
Sov Phys - Doklady FRI Tr-173  
Vol V, No 2

Sci  
Nov 60

132, 771

Measurements of the Shock Adiabatics of Cast Trinitro-  
toluene, Crystalline Hexagene, and Nitromethane, by V.  
S. Ilyukhin, P. F. Pokhil, O. K. Rozancv, N. S. Shredova,  
pp 4.

RUSSTAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960,  
pp 793-796.

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

NLZ M.3457

132, 772

A Mathematical Problem Connected with the Theory of  
Longitudinally Polarized Particles, by M. S. Livshits  
4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960  
pp 797-800.

AIP  
Sov Phys - Doklady  
Vol V, No 2

Sci  
Nov 60

132,773